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OM nucleic - nucleic search, using sw model

Run On: December 6, 2002, 21:31:46 ; Search time 51.5 Seconds
(without alignments)
11546.552 Million cell updates/sec

Title: US-10-025-514-15
Perfect score: 1525
Sequence: 1 tctagaccatgaagaccct.....ccagtcaggcctagtcgac 1525

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 350425 seqs, 194966369 residues
Total number of hits satisfying chosen parameters: 700850

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
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10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	437	28.1	1345	US-09-782-378A-13	Sequence 13, Appl
2	429	28.7	1352	US-09-964-824A-545	Sequence 545, App
3	429	28.1	1371	US-09-964-824A-544	Sequence 544, App
4	407	26.7	1390	US-09-765-231A-19	Sequence 19, Appl
5	222.8	14.6	594	US-09-964-824A-582	Sequence 582, App
6	222.8	14.6	594	US-09-954-456-1989	Sequence 1989, App
7	222.8	14.6	594	US-09-865-812-1	Sequence 1, Appl
8	219.8	14.4	1422	US-09-880-107-2090	Sequence 2090, App
9	213.4	14.0	1714	US-09-917-800A-1421	Sequence 1421, App
10	193	12.7	1872	US-09-880-107-2257	Sequence 2257, App
11	190.8	12.5	1245	US-09-755-665-13	Sequence 13, Appl
12	182.6	12.0	2051	US-09-917-800A-1325	Sequence 1325, App
13	161	10.6	391	US-09-960-352-12287	Sequence 12287, A
14	146.4	9.6	430	US-09-960-352-10531	Sequence 10531, A
15	135.8	8.9	444	US-09-960-352-14649	Sequence 14649, A
16	135.6	8.9	418	US-09-960-352-7066	Sequence 7066, App
17	134.2	8.8	1710	US-09-912-628-2	Sequence 2, Appl
18	126.2	8.3	1632	US-09-912-628-3	Sequence 3, Appl
19	125.4	8.2	430	US-09-960-352-5191	Sequence 5191, App

20	124.2	8.1	388	10	US-09-960-352-7567	Sequence 7567, App
21	123.2	8.1	439	10	US-09-960-352-10330	Sequence 10330, A
22	123	8.1	2089	9	US-09-982-598-409	Sequence 409, App
23	123	8.1	2089	9	US-09-989-293A-409	Sequence 409, App
24	123	8.1	2089	10	US-09-989-722-409	Sequence 409, App
25	123	8.1	2089	10	US-09-989-723-409	Sequence 409, App
26	123	8.1	2089	10	US-09-989-279-409	Sequence 409, App
27	123	8.1	2089	10	US-09-989-727-409	Sequence 409, App
28	123	8.1	2089	10	US-09-989-731-409	Sequence 409, App
29	123	8.1	2089	10	US-09-989-732-409	Sequence 409, App
30	123	8.1	2089	10	US-09-991-073-409	Sequence 409, App
31	123	8.1	2089	10	US-09-990-442-409	Sequence 409, App
32	123	8.1	2089	10	US-09-991-163-409	Sequence 409, App
33	123	8.1	2089	10	US-09-993-604-409	Sequence 409, App
34	123	8.1	2089	10	US-09-990-456-409	Sequence 409, App
35	123	8.1	2089	10	US-09-989-721-409	Sequence 409, App
36	121.8	8.0	1585	10	US-09-765-231A-18	Sequence 18, Appl
37	120	7.9	421	10	US-09-960-352-1559	Sequence 1559, App
38	118.4	7.8	433	10	US-09-960-352-13206	Sequence 13206, A
39	118.2	7.8	541	10	US-09-864-761-17682	Sequence 17682, A
40	116.4	7.6	445	10	US-09-960-352-5918	Sequence 5918, App
41	115.8	7.6	412	10	US-09-960-352-1792	Sequence 1792, App
42	114.8	7.5	398	10	US-09-960-352-3413	Sequence 3413, App
43	113.4	7.4	418	10	US-09-960-352-2321	Sequence 2321, App
44	113	7.4	395	10	US-09-960-352-12468	Sequence 12468, A
45	113	7.4	403	10	US-09-960-352-11740	Sequence 11740, A

ALIGNMENTS

RESULT 1

US-09-782-378A-13
; Sequence 13, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782.378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 1345
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-782-378A-13

Query Match	28.7%	Score 437;	DB 10;	Length 1345;	
Best Local Similarity	60.6%;	Pred. No. 6e-101;			
Matches 716;	Conservative 0;	Mismatches 465;	Indels 0;	Gaps 0;	
QY	12	GAAGACCTC	TCAAGCGACGCGCTCA	AAAAACCGACACCATATCAGCAGCAAGACCAT	71
Db	84	GAGGATCCC	AGGAGATGCTGCC	CAGAGACAGATACATCCCAACCATGATCAGGATCAC	143
QY	72	CCGACTTTTT	TAATAAAATTA	TACTTCCAAATTTTAGCCGAAATTTGCTTTTTCTTTGTATAGACAA	131
Db	144	CCAACTTTC	AACAAGATCAC	CCCCCACTGGCTGAGTTCGAGCTTTCAGCCCTATATACGCCAG	203
QY	132	TTAGTCTAT	CAAAATTAATTTCTACT	TAACATTTTTTTTAGTCTCTGTTTCTATTGCCACATGCT	191
Db	204	CTGGCAC	ACCAGTCC	CAACAGCACCAATATCTTCTTCCCGCAGTGCAGTCCTACAGCC	263
QY	192	TTTCCCATG	TGTGAGTTTAGGTACT	AAAGCCGATACCCATGACGAGATTTTTAGAAAGGTTTA	251
Db	264	TTTTGCAAT	GTCTCCCTTGGG	ACCAAGCTGACACTCAGATGAATCTCTGGAGGGCTG	323

Db 69 ACCTGTCATTTGGCCCAACAAAATGCCACTCTCTATAAGATGCCATCTATCAATGCTGAT 128
Qy 108 TTGCTCTTTTCTTTGATGACAAATAGCTCATCAAGTAATCTACTAACATTTTTTTT 167
Db 129 TTTGCTCTCAGGCTGATCGGAAGCTCTCTGTGGAGAACCCAGATTGGAACATCTCTTC 188
Qy 168 AGTCCCTGTTTCTATTGCCACTGCTTTCGCCATCTTTGAGTTAGTACTAAAGCCGATACC 227
Db 189 TCCCTGTGAGCATATCTGCTGCTTAGCCATGCTTTCTTTGGATCTGGCTCTAGCACC 248
Qy 228 CATGACGAGATTTTGAAGGTTTAACTTTAAATTTGACCGAAATCCAGAACGCCAAAT 287
Db 249 CAAACACAGATTTGAGGCTTGGGGTTTAACTTACCTCACAGACACTCTCTGGAAGAATTA 308
Qy 288 CAGGAGGTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTTCTCAATTCGAATTA 347
Db 309 CACAGGGCTTCCAGCATTTGATCTGTTCAATGAATTTCCCAATTAATGAACCTGGAATG 368
Qy 348 ACTACTGGTAAACGGTTTATTTTCTGCTGAAGGTTTAAATTTGGTTGACAAATTCCTAGAA 407
Db 369 CAGATGGGAATCGAGTTTATTTGGGCAACAGCTGAACCACTGCAAGTTTGGAT 428
Qy 408 GAGCTCAAGAACTATATCATAGTGAAGGTTTACCGTTAAATTTTGGTGATCACTAGGAA 467
Db 429 GATGTCGAAGACCTCTATGAACCTGAAGTCTTTTCTACTGACTTCTCCAATGTTCTGCA 488
Qy 468 GCTAAAAAGCAATTAATGATTTATGTTGAGAAGGCCACCGGTAAGATGTTGACCTA 527
Db 489 GCCCAGCATGAGATCAACAGTATTTATGGGAGCAACCAACCAAGGGAATTTGAGCTTA 548
Qy 528 GTTAAAGAAATTAAGTCTGATACCGTCTTCGCACTAGTTAACTATATATTTTCAAGGCT 587
Db 549 ATTCAAGACCTCAACTGAACATATCATGATTCCTGGTGAACATATTCATTTCAAGCC 608
Qy 588 AAGTGGGAAGCTCCTTTCCGAGGTTAAAGATPACTGAAGAG ---GAAGATTTTTCATGTTAT 644
Db 609 CAGTGGGCAATCCTTTTCTGTGATCTAAACAGAGAGAGATTCCAACCTTCTCAGTGGAC 668
Qy 645 CAAGTTACTACTCTCAAGTTCAAATGATGAAAGAGACTGGGTATGTTCAATATTCAAT 704
Db 669 AAGAGCACCACAGTACAAAGTCCCATGATGCAACAGCTAGAACATPACTATCATTCAGTG 728
Qy 705 TGCAAAAAATTAAGTCTTGGGCTTATTAATGAAGTATTTAGTTAAACGCTACTGCTATT 764
Db 729 GATGTGAGCTGATTTGTACAGTACTTCAATGGACTATAGTGCAATGCCCTGGCACTT 788
Qy 765 TTTTTCCTTACCAGCAAGGTAAGCTTCAACATTTAGAAATGAGTTGACTCATGACAT 824
Db 789 TTTGCTCCTCCGAAGGAAGGCAATGGAATGGGTGGAAGCAGCCATGTCATCTAAACA 848
Qy 825 ATTACTAAATTTTATAGAACGAGGATCGTCGTAGCGCTTCTGCACTGCCAAGTTA 884
Db 849 CTGAAGAAGTGAACCATTTATTGCAAGAAGGATGGGTGAATGTTTGTCCAAAGTTT 908
Qy 885 AGTATCACCGGTACTTACGATCTTAAATCTGTTTATAGGCGAGTTAGGTATTACCAAAGTT 944
Db 909 TCCATTTCTGCCACATATGACCTTGAAGTACACTTCAGNAGATGGGTATGAGGGATGCC 968
Qy 945 TTTTCTAACGGTCCGATTTGAGTGGTGTGTTACTGAAAGAGCTCCATTAATAATGAGTAA 1004
Db 969 TTTGCTGAAAGTCTGACTTCTGGAATCAACAAAAGCAATGGTCTAAAACTTTTCTCTAT 1028
Qy 1005 GCTGTTCAACAAGCCGCTTAATCTATGATGAAGGGTACCAGGCCCGCGCGCTATG 1064
Db 1029 GCTTTTCAAGAGGCTGTGCTACACATTTGGTGAAGAGGGGAACCTAAAGAGGAGCTTCTCT 1088
Qy 1065 TTCTCTGGAAGCTAT-----TCCAATGAGCATTTCCACCAAGGTTAAATTTAAT 1112
Db 1089 GAAGCTGGATCTCTGGATCAGCAGAGATGATGCTCTTTCACGCTGTCTCCGATTTGGAT 1148
Qy 1113 AAACCATTCGTTTCTGTGATGTCGAGAGAACACTTAAAGGCCCATTTGTTATGGGTAAG 1172
Db 1149 AGAACATTCCTTACTGATGATCTTTAGAGAACGAACGAAGAAGTGTCTCTTTTTTAGGGA 1208

Qy 1173 GTTGTCAACCCCAACTCAGAAG 1193
Db 1209 GTTGTGACCCCAACAAAAGAG 1229

RESULT 10

US-09-880-107-2257
; Sequence 2257, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Dargi T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR FILING DATE: 2000-06-14
; PRIOR FILING DATE: 2000-06-14
; PRIOR FILING DATE: 2000-06-14
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2257
; LENGTH: 1872
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 M14091
US-09-880-107-2257

Query Match 12.7%; Score 193; DB 10; Length 1872;
Best Local Similarity 49.2%; Pred. No. 2.7e-39;
Matches 576; Conservative 0; Mismatches 580; Indels 15; Gaps 2;

Qy 49 CCAGTCATCAGCACCACCAAGCACCCTGAGCTTTTAAATAAATTTACTCCCAATTTAGCCGAAT 108
Db 416 CTTGCCATTCATCCCAACCAATGCCACTCTCAAGATGTCATCCATTAATGCTGACT 475
Qy 109 TTGCTTTTTTGTATAGACAAATAGCTCATCAAGTAATTTCTACTAACATTTTTTTTA 168
Db 476 TTGCATTCATCTGTACCGGAGTTCACTGTGGAGCCCCAGATAAGAACATCTCTTTT 535
Qy 169 GTCTGTTTCTATTGCCACTGCTTTGCCCATGTTGAGTTTAGTACTAAAGCCGATACCC 228
Db 536 CCCCTGTGAGCATTTCTGCAGCTTTTGGTTATGCTTTCTCTTTGGGCGCTGCTGCAGCACC 595
Qy 229 ATGACGAGATTTTGAAGGTTTAAATTTTAAAGGTAATTTGACCGAAATCCAGAACCCCAATTC 288
Db 596 AAAGTGAATTTGGAGACCTTGGGGTTCAACCTCACAGACACTCCAATGTTAGATGCC 655
Qy 289 ACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTTCTCAATTTGCAATTA 348
Db 656 AGCATGGCTTCCAGCATCTGATCTCTTCACTGAAATTTTCCAAAGAGGAAGTCTGGAATTC 715
Qy 349 CTACTGGTAACGGTTTATTTTGTCTGAAGGTTTAAATTTGTTGACAAATTTCTTAGAG 408
Db 716 AGATAGGAATGCCCTCTTCAATTTGGCAAGCATCTGAAACCACTGGCAAGTTCTTGAATG 775
Qy 409 AGGTCAAGAAATATATCATAGTAGGCTTTTACCGTTTAAATTTTGGTGATCTAGGGAAG 468
Db 776 ATGTCAGAACCTCTATGAGACTGAAGTCTTTTCTACCGACTTCTCCACAACTTTCTGCG 835
Qy 469 CTAAAGAACTAATTAATGATTTATGTTGAAAGGCCACCGAGGTAAAGTTCGTTGACCTAG 528
Db 836 CCAACGAGGATTAACAGTCATGTGGAGATGCAAAACCAAGGGAAGTCTTGGGCTCAA 895
Qy 529 TTAAGAAGATAGTGTGATACCGCTCTTGGCAGCTAGTTAACTATATTTTTTCAAGGTA 588
Db 896 TTCAAGACCTCAAGCCAAACACCACTATGCTGTTAGTGAACATATATTCACATTTAAAGCC 955

Qy	589	AGTGGGAAGCTCTCTTTCGAGGTTAAAGATAC	TGAGAA---GGAAGATTTCATGTTGATC	645
Db	956	AGTGGCAAAATCCTTTTGATCCATCCAAGACAGAAGACAGTTCCAGCTCTCTTAATAGACA	1015	
Qy	646	AAGTTRACTACTCCAAAGTTCCAATGATGAAGACNTGGGTATGTTCCAAATATCAACATT	705	
Db	1016	AGACCACCACTGTTCAAGTGGCCATGATGCAACAGATGGAAACAATATATCACTAGTGG	1075	
Qy	706	GCAAAAAATTAAGTCTCTGGGTCTTATTAATGAAGTATTTAGTAAACGCTACTGCTATTT	765	
Db	1076	ATATGAATGAATCCACAGTTCTGCAATGGACTACAGCAAGAATGCTCTGGCACTCT	1135	
Qy	766	TTTTTTTACAGACGAAGTAAAGTTCAACATTTAGAGATGAGTTGACTCATGACATTA	825	
Db	1136	TTGCTTCTCCCAAGGAGGACAGATGGAGTCAGTGGAGCTGCCATGCTCATCTAAACAC	1195	
Qy	826	TTACTAAATTTTTAGAGAACGAGGATCGTCGTAGGCGTCTCTGCACCTGCGCAAAAGTTAA	885	
Db	1196	TGAAGAATGGAAACCGCTTACTACAGAAGGATGGTTGACTTGTGTGTTCCAAAGTTTT	1255	
Qy	886	GTATCACCGGTACTTACGACTTTAAATCTGTTTTAGGCCAGTTAGGTATTAACAAAGTTT	945	
Db	1256	CCATTTCTGCCACATATGACCTTTGGAGCCACACTTTTGAAGATGGGATTCAGCATGCCT	1315	
Qy	946	TTTTCTAACGGTCCGATTTTACGTGCTGTTACTTGAGAGAGCTCCATTAAATTTAGTAAAG	1005	
Db	1316	ATTCTGAATATGCTGATTTTTCTGGACATACAGAGACAATGGTCTGAACCTTTCCAACTG	1375	
Qy	1006	CTGTTCCAAAGCCGTCCTTAACATATTGATGAAAGGGTACGAGGCCGCGCGCTATGT	1065	
Db	1376	CTGCCATAAGGCTGTGCTGCACATTTGGTGAAGAAAGGAACTGAAGCTGCAGCTGCTCCCTG	1435	
Qy	1066	TCCTGGAA-----GCTATTCOAATGAGCATTTCCACCAAGAAGTTAAATTTAATA	1113	
Db	1436	AAGTTGAACCTTTCGGATCAGCCTGAAACACATTTCTCACCCCTATTATCCAAATTCATA	1495	
Qy	1114	AACCATTTCTGTTTTCTGATGATCGAGACGAACATAAAGGCCATTGTTTATGGGTGAAG	1173	
Db	1496	GATCTTTCATGTTGTTGATTTTGGAGAGAACGACAAAGGATATCTCTCTTCAGGGAAG	1555	
Qy	1174	TTGTCAACCCCACTCAGAAGATGTCGGGAA	1204	
Db	1556	TTGTGAACCCCAAGGGAAGCGTAGTTGGGAAA	1586	

RESULT 11

US-09-755-665-13

US 05 733 803 13
: Sequence 13, Application US/09755665

: Patent No. US20020107186A1

; PACIFIC NO: 032002010
: GENERAL INFORMATION:

APPLICANT: Prayaga. Sudhirdas K.

APPLICANT: Maïumder. Kiumud

APPLICANT: Majumder, Kumar

; APPLICANT: Tailion, Bruce E.
; ADDRESSEE: Snedden Stover K

APPLICANT: Spaderna, Steven K.

APPLICANT: Spytek, Kimberly A.

APPLICANT: MacDougall, John

; TITLE OF INVENTION: NOVEL
 FIG. REFERENCE: 15066-631

; FILE REFERENCE: 15966-631

; CURRENT APPLICATION NUMBER: US/09/755,665

; CURRENT FILING DATE: 2001-08-14

;
; PRIOR APPLICATION NUMBER: U.S.

; PRIOR FILING DATE: 2000-01-01

; NUMBER OF SEQ ID NOS: 118

; SOFTWARE: F

; SEQ ID NO 13

; LENGTH: 12

TYPE: DNA

ORGANISM

ORGANISM: HORME
:
:
FEATURE:

: NAME/KEY: CDS

NAME/KEY: CD
LOCATION: (1

QV 1125 TTTCTGATGATCGAGCAGACACTAAAGCCCATTCGTTATGSGTAAGTTGTCAACCCA 1184

Db 1174 CTGCTGATTTACAGCGAGAAAATACCTTCGTCCTCTCCGGAAAGATTGTTAAACCT 1233
Qy 1185 ACTCAGAA 1192
Db 1234 ATTGGAAA 1241

RESULT 12
US-09-917-800A-1325
; Sequence 1325, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 4921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1325
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:

OTHER INFORMATION: Genbank Accession No. US20020119462A1 D00753
US-09-917-800A-1325

Query Match 12.0%; Score 182.6; DB 10; Length 2051;
Best Local Similarity 50.5%; Pred. No. 1.2e-36;
Matches 499; Conservative 0; Mismatches 484; Indels 6; Gaps 2;
Qy 103 CGAATTTGCTTTCTTTGTATAGACAATTAGCTCATCAAAAGTAACTTACTACTAATTT 162
Db 238 CTGACTTTGCTTCAGCCCTACAGAAGCTGCTTTGAGGAATCCAGATAAAATGTTG 297
Qy 163 TTTTGTAGCTGTTCTATTGCGACGCTTTCGCCATGTTGAGTTAGTACTAAGCGG 222
Db 298 TCTTCTCCCACTTAGCATCTCAGCGCCTTGCCCTGCTGCTGGGAGCAAAAGGCA 357
Qy 223 ATACCATGACGAGATTTTGAAGGTTTAAACTTTTAACTTTGACCGAAATCCAGAGGCC 282
Db 358 ACAGATGGAAGAGATCTAGAGGTTCTCAAGTTCAATCTCAGAGACCCCTGAGACAG 417
Qy 283 AAATTCACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTTCTCAATTCC 342
Db 418 AAATCCACGGGCTTTGGACACCTCTCCAGAGGCTCAGCCAGCCCAAGGGACGAGATAC 477
Qy 343 AATTAATACTGTTAGCGGTTTATTTTTGTCTGAAGGTTTAAATTTGTTGACAAATTC 402

Db 478 AGATCAGTACAGGCAATGCCCTGTTTATTGAAAAACGCTTCAGGTCTCCGACAGTTCC 537
Qy 403 TAGAAGACGTCAAGAAACTATATAGTAGGCTTTTACCGTTAAATTTGGTGATACG 462
Db 538 AGGAAGGCAAGGCTCTGTACCAAGCTTGAAGCCTTCACAGCTGATTTCCAGCAGTCTC 597
Qy 463 AGGAAGCTAAAAAGCAAAATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAAGTCCGTTG 522
Db 598 GTGAGGCCAAAAGCTCATCAATGACTATGTGAGTAACACAGCCAGGGGAGATCCAGG 657
Qy 523 ACCTAGTTAAAGAATTAGATCGTATACCGTCTTTCCGCACTAGTTAACTATATTTTTTCA 582
Db 658 GACTGATCACAACTAGCTAAGAAGACATCCATGGTACTTGGTGAATACATCTACTTTA 717
Qy 583 AGGTAAGTGGGAAGCTCTTTCCAGGTTAAAGATACCTGAAGAGAGATTTTCATCTG 642
Db 718 AAGCAAAATGGAAGGTGCCCTTTTGACCTCGGGACACATTCAGCTCTGAGTTCTACTCTG 777
Qy 643 ATCAAGTTACTACTGTCAAAAGTTCCAATGATGAAAGACTGGGTATGTTCAATATTCA-- 700
Db 778 GCAAAAGGAGGCTGTGNAAGTCCCATGATGAAGCTTGAGGACCTGACCACACCCCTACG 837
Qy 701 -ACATTCGAAAAAATAAGTTCTTTGGGTCTTTTAAATGAAGTATTTAGGTAACGCTACTG 759
Db 838 TCCGGATGAGGAGCTGAACCTGCACTGTTGTGGAGCTGAAGTACACAGGAAATGCCAGCG 897
Qy 760 CTATTTTTTTTTTACCAGACGAAGTTAAGCTTCAACATTTAGAGAANTGAGTTGACTCATG 819
Db 898 CCCTGTTTATCCTCCCTGACCAGGCAAGATGCAGCAGGTGGGAAGCAGCTTGCAGCCAG 957
Qy 820 ACATTATTACTAAATTTTGA---GAAACGAGGATCGTCGTAGCGCTTCTCTGCACCTGC 876
Db 958 AGACCTGAGGAGATGGNAGACTCTCTCAGGCCACGATAGATAGCTCTACTCTGC 1017
Qy 877 CAAAGTTAAGTATCACCGGTACTTACGACTTAAATCTGTTTTAGGCCAGTTAGGTATTA 936
Db 1018 CCAAGTTCTCCATCTCTGCTGACTACAACTTGGAGGACGCTTCTCCAGAGCTGGGCATCA 1077
Qy 937 CCAAGTTTTTTCTAACGGTCCGATTTGAGTGGTGTACTGGAAGAAGCTCCATTTAAAT 996
Db 1078 AAGAAGTCTTCCACACAGCTGACCTGCTGGGATCACAGGGGTAAGGACCTGATGG 1137
Qy 997 TGAGTAAAGCTGTTCAAAAGCCGCTTAACTATTGATGAAAGGGTACCGAGGCCCGG 1056
Db 1138 TCTCTCAGGTGTCACAAAGCTGTTCTGGATGTGGCTGAGACAGCAGCAGAACGCGG 1197
Qy 1057 CGCTATGTTCTCGAAGCTATTCCAATG 1085
Db 1198 CTGCCACAGGGGTCAAAATTTTGTCCAATG 1226

RESULT 13
US-09-960-352-12287
; Sequence 12287, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 12287
; LENGTH: 391
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 52-LIB34-079-Q1-E1-E8
US-09-960-352-12287

Query Match	10.6%;	Score 161;	DB 10;	Length 391;
Best Local Similarity	64.2%;	Pred. No. 1.7e-31;		
Matches 242;	Conservative	0;	Mismatches 135;	Indels 0;
				Gaps 0;
QY	336	CAATTGCAATTAACTACTGTGTAACGGTTTATTTTGTCTGAAGGTTTAAAAATTGGTTGAC	395	
DB	2	CAGTGCACACTGCACCTGCGCAATGGTCTGTTTCATCATGAGAGTGCAAAAGCTAGTGGAT	61	
QY	396	AAATTCCTAGAGAAGCGTCAAGAAACTATATCATAGTGAGGCTTTTACCGTTAAATTTGGT	455	
DB	62	ACGTTTGGAGGATGTCAAGAACTGTATCACTCCGAAGCCTTCTCCATCAACTTCAGG	121	
QY	456	GATACGTGAGGAAGCTAAAAAGCAAAATTAATGATATGTTGAGAAAGGCCACCGGTAAG	515	
DB	122	GATGCTGAGGAGGCCAAGAAGAAGATCAACGATTATCTAGAGAAGGAAGCCATGGAAA	181	
QY	516	ATCGTTGACCTAGTTAAGAANTTAGATCGTGATACCGTCTTCGCACCTAGTTAACTATATT	575	
DB	182	ATTGTGGAGTTGGTAAAGGTTCTTTGACCCAAACACAGTTTTTGTCTGTTGTAATTACATT	241	
QY	576	TTTTTCAAGGTTAGTGGGAACGTCCTTTTCGAGGTTAAAGATACTGAAGAGGAAGATTTT	635	
DB	242	TCCTTTAAGGAANAATGGGAGAACCCCTTCGAGATGAAGCACACACAGAGAGGACTTC	301	
QY	636	CATGTTGATCAAGTTACTACTGTGTCAAAAGTTCCAAATGATGAAAAGACTGGGTATGTTCAAT	695	
DB	302	CATGTGGACGAGCAAAACCACTGTGAAGGTGCCCATGATGAACCGCTGGGCATGTTTGAC	361	
QY	696	ATTCAACATTGCCAAAA 712		
DB	362	CTCCACTACTGCGACAA 378		
RESULT 14				
US-09-960-352-10531				
; Sequence 10531, Application US/09960352				
; Patent No. US20020137139A1				
; GENERAL INFORMATION:				
; APPLICANT: Warren, Wesley C.				
; APPLICANT: Tao, Nengbing				
; APPLICANT: Byatt, John C.				
; APPLICANT: Mathalagan, Nagapan				
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND				
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION				
; FILE REFERENCE: 16511.006/37-21(10298)C				
; CURRENT APPLICATION NUMBER: US/09/960,352				
; CURRENT FILING DATE: 2001-09-24				
; NUMBER OF SEQ ID NOS: 15112				
; SEQ ID NO 10531				
; LENGTH: 430				
; TYPE: DNA				
; ORGANISM: Bos taurus				
; FEATURE:				
; NAME/KEY: unsure				
; LOCATION: (398)				
; OTHER INFORMATION: unsure at all n locations				
; OTHER INFORMATION: Clone ID: 45-LIB34-014-Q1-El-D2				
US-09-960-352-10531				
Query Match				
Best Local Similarity 9.6%; Score 146.4; DB 10; Length 430;				
Matches 240; Conservative 0; Mismatches 157; Indels 0; Gaps 0;				
QY	180	ATTGCCACTGCTTCGCCATGTTGAGTTTAGGTACTAAAGCCGATACCCGATGACGAGATT	239	
DB	32	ATTGCTTCAGCCCTTTGCTATGCTCTCCCTGGGAGCCGAAGGGCAACACTCACACTGAGATC	91	
QY	240	TTAGAAGGTTTAAACTTTTAAATTTGACCGAAATCCAGAGCCCAAAATTTACGAGGGTTTT	299	
DB	92	CTGAGGCGCCTGGTTTCAACCTCACTGAGCTCGAGAGGCTGAGATCCACAAGGCTTT	151	
QY	300	CAAGAGTTGTGAGAACTTTGAACTCAACCTGATTTCTCAATTGCAATTAACCTACTGGTAAC	359	

Db	152	CAGCAATCTTCCACACCCCTGAACCGCAACCAACACACAGCTGGCAACTGACACCTGGCAAT	211
Qy	360	GGTTTATTTTGTCTGAAGGTTTAAAATTTGGTTGACAAAATTCCTAGAGAGAGCTCAAGAAA	419
Db	212	GGTCTGTTTCATCAATGAGAGTGCAAGCTAGTGGTAGTGTGTTTGGAGGATGTCAGAAC	271
Qy	420	CTATATCATAGTAGGCTTTTACCGTTAAATTTTGGTGATCTAGAGAGCTAAAGCAA	479
Db	272	CTGTATCACTCCGAAGCCTTCTCCATCAACTTCAGGATGCTGAGGAGGCCCAAGAAGAAG	331
Qy	480	ATTAATGATTATGTTGAGAAAGGACCCAGGTAAGTCTGTGACCTAGTTAAAGAATTA	539
Db	332	ATCAACGATTATGAGAGAAGGAAGCAATCGAAAAATTTGGAGTTGGTAAAGGTTCTT	391
Qy	540	GATCGTGATACCGTCTTCGCACCTAGTTAACTATATTT	576
Db	392	GACCCANACACAGTTTGTCTGTGTGAATTACATTT	428
RESULT 15			
US-09-960-352-14649			
; Sequence 14649, Application US/09960352			
; Patent No. US20020137139A1			
; GENERAL INFORMATION:			
; APPLICANT: Warren, Wesley C.			
; APPLICANT: Tao, Nengbing			
; APPLICANT: Byatt, John C.			
; APPLICANT: Mathialagan, Nagappan			
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND			
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION			
; FILE REFERENCE: 16511.006/37-21(10298)C			
; CURRENT APPLICATION NUMBER: US/09/960,352			
; CURRENT FILING DATE: 2001-09-24			
; NUMBER OF SEQ ID NOS: 15112			
; SEQ ID NO 14649			
; LENGTH: 444			
; TYPE: DNA			
; ORGANISM: Bos taurus			
; OTHER INFORMATION: Clone ID: 62-LTB34-086-Q1-EI-H6			
US-09-960-352-14649			
Query Match 8.98; Score 135.8; DB 10; Length 444;			
Best Local Similarity 58.28; Pred. No. 4.2e-15;			
Matches 239; Conservative 0; Mismatches 172; Indels 0; Gaps 0;			
Qy	82	ATAAAATTAATCCAAATTTAGCCGAATTTGCTTTTCTTTGTATAGACAAATAGCTCATC	141
Db	34	ACAAATGCCCCCAACCTGGCCAACTTGCCTTCAGCATATACCACCAATTTGGCTCATC	93
Qy	142	AAAGTAATCTACTAAAGATTTTTTTTGTCTGTTTCTTATTTGCCACTGCTTTCCCAATGT	201
Db	94	AGTCCAAACACAGCAACATCTTCTCTCCCGGTGAGCATGCTTCAGCCCTTTTCGGATGC	153
Qy	202	TGAGTTTAGGTACTAAAGCCGATACCCATGACGAGATTTTAGAAGGTTTAACTTTTAAT	261
Db	154	TCTCCCTGGGAGCCAGGGCAACACTCACACTGAGATCTCGAAGGGCTGGGTTTCAACC	213
Qy	262	TGACCGAAATCCCAAGAGCCCAAAATTCACGAGGGTTTTTCAAGAGTTGTTGAGAACTTTGA	321
Db	214	TCACTGAGCTCGCAGAGCTGAGATCCACAGAGCTTTTCAGCATCTTCTCCACACCCCTCA	273
Qy	322	ATCAACCTGATTCGAATTCGAATTAATACTACTGTTAAGGTTTATTTTTTGTCTGCAAGGTT	381
Db	274	ACCAGCCAAACCCACAGCTGCACTGACCACTGGCAATGGTCTGTTTCATCAATGAGAGTG	333
Qy	382	TAAATTTGGTTGACAAATTTCTAGAAGACGTCGAAGAACTATATAGTAGTGAGGCTTTTA	441
Db	334	CAAAAGCTAGTGGATACGTTTTTGGAGGATGTCAGAACCCTGTATCATCTCCGAAGCCCTCT	393
Qy	442	CCGTTAATTTTGGTGATCTAGGAGACTAAAAAGCAAATTAATGATTATG	492
Db	394	CCATCAACTTTCAGGATGCTGAGGAGCCCAAGAAAGATCAACGATTATG	444

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Job time : 60.5 secs

